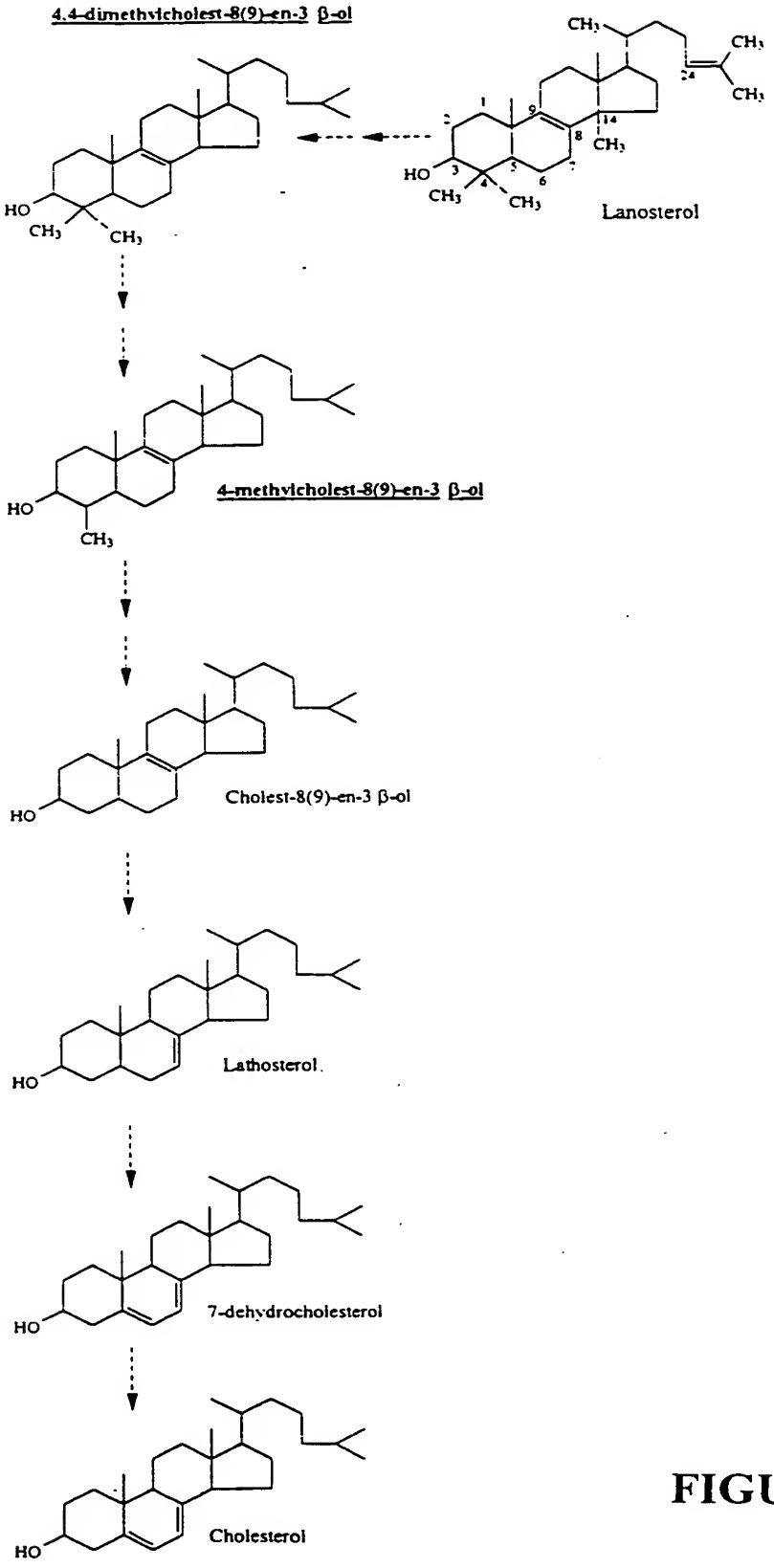
4,4-dimethylcholest-8(9)-en-3 β-ol
Lanosterol
4-methylcholest-8(9)-en-3 β-ol
Cholest-8(9)-en-3 β-ol
Lathosterol
7-dehydrocholesterol
Cholesterol

FIGURE 1

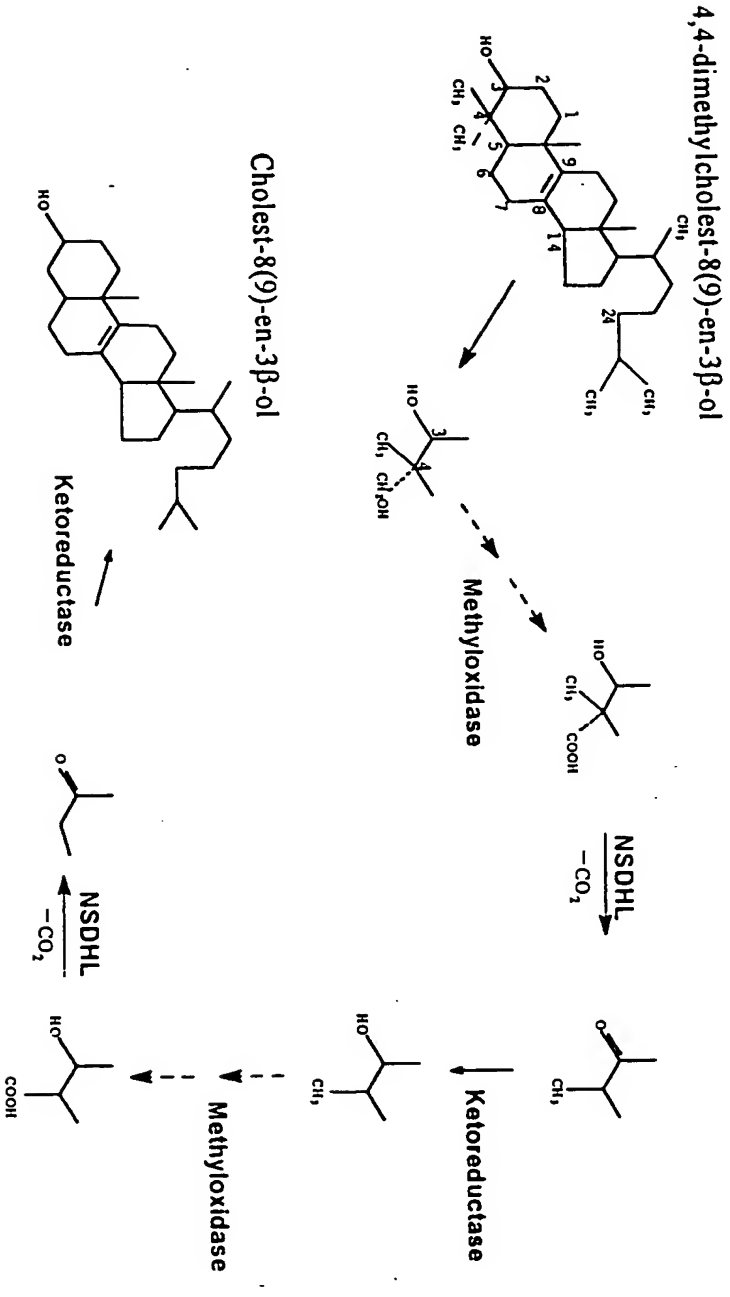
4,4-dimethylcholest-8(9)-en-3β-ol
NSDHL
$-CO_2$
Methyloxidase
Ketoreductase
Cholest-8(9)-en-3β-ol
Ketoreductase
Methyloxidase
NSDHL
$-CO_2$

FIGURE 2

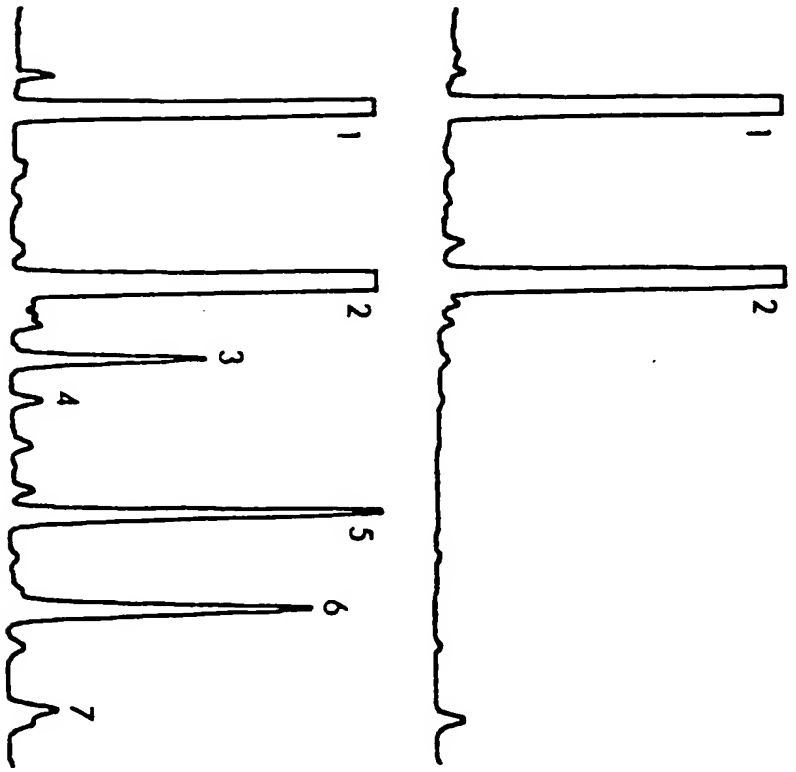

FIGURE 3

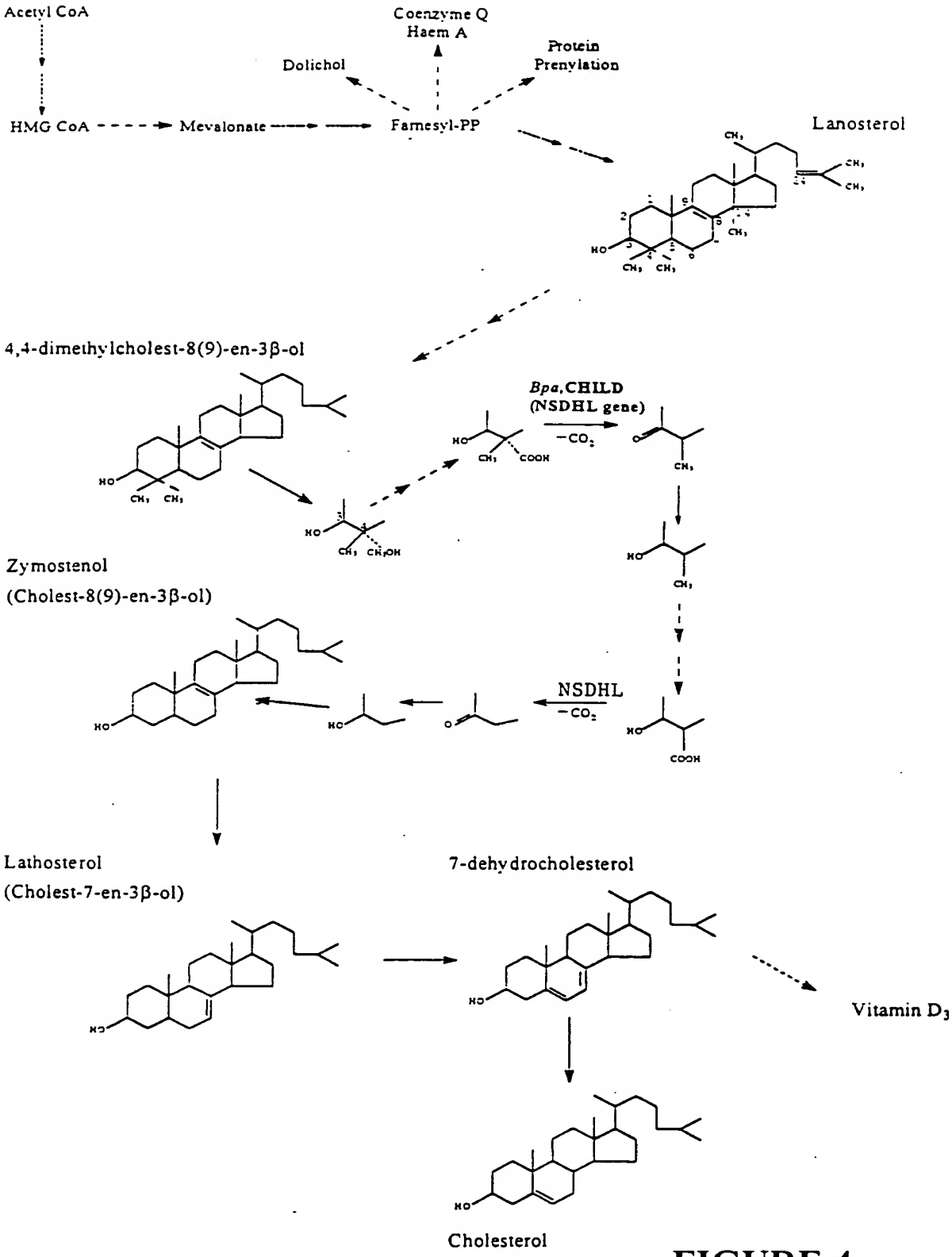
Acetyl CoA
Coenzyme Q
Haem A
Dolichol
Protein
Prenylation
HMG CoA
Mevalonate
Farnesyl-PP
Lanosterol
4,4-dimethylcholest-8(9)-en-3β-ol
Bpa,CHILD
(NSDHL gene)
−CO2
Zymostenol
(Cholest-8(9)-en-3β-ol)
NSDHL
−CO2
Lathosterol
(Cholest-7-en-3β-ol)
7-dehydrocholesterol
Vitamin D3
Cholesterol

FIGURE 4